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MONSANTO

From: G.A. Grundmann CS6G Corporate Engineering (4-6112)

Date: August 16, 1985

cc: D.R. Bowers CS6G  
L.V. Bumbicka 1740\*  
R.M. Calles CS6G  
M.A. Coco Alberici  
R.J. Geile CS6G  
E.R. Hartman CS6G  
P.R. Hoemann 1740  
L.C. Kreh F2ED  
F.A. Mayse CS6G  
B.W. Steketee 1740  
R.L. Wiese CS6G

Subj: Project Progress Meetings

Re: CEA 3808 - Main South Trunk Sewer

TO: J.J. Beckerle Alberici  
W. Bodine Alberici  
T.N. Carrico 1740\*  
W.C. Koester Alberici\*  
K.W. Lichtenheld CS6G  
C.J. Lotz Alberici\*  
R.L. Nelson 1740\*  
K.W. Petterson 1740\*  
R.C. Martini 1740\*  
O.N. Shipley 1740\*  
R. Schlereth Fleischer Seeger\*\*  
G. Adams Fleischer Seeger\*\*

\*Present at meeting  
\*\*Part time

Following are minutes of the meeting held at the CED construction trailers on 8/15/85 at 9:30 a.m.

1. Construction Progress

- a. Piling pulled between manholes 1-DD to 1-EE and 1-EE to 1-JJ.  
Piling has been driven up through manhole 2-CC.
- b. A mark is to be placed on manhole 1-GG and checked 1 day later to see if the water level has dropped prior to manhole acceptance.
- c. Manhole 1-DD is ready for injection on the inside.
- d. Backfilling is in progress between manholes 1-DD to 1-EE and 1-EE to 1-JJ.
- e. Encasement of the 42" pipe is being accomplished where possible between manholes 1-EE and 2-AA.
- f. Bracing is in progress between manholes 2-BB to 2-CC and 2-AA to 2-EE.
- g. The 24" stub out of manhole 2-AA to the north has been set.

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- h. New joint work is being done on the new 42" pipe between manholes 1-EE and 2-AA. Repair of the joints on this run that leaked or showed exothermic reaction is in progress.
- i. Grading of the trench is in progress between manholes 2-BB and 2-CC prior to installation of the base slab.
- j. The flume through manhole 2-AA will be complete next week.

## 2. Contaminated Soil

- a. Still waiting for permits from the state to remove stockpiled dirt.
- b. Martini will take steps to get the large pieces of concrete, etc. at the stockpiled lot hosed off and hauled to a dump.

## 3. Jumpers

Work is in progress on jumper T-3.

- a. 21" pipe has been ordered with the urethane cleaned off the spigot ends of the pipe. This pipe will be put in per the original drawing using Tufchem.
- b. Cutting up of an acid storage tank by the plant has delayed exploratory digging in this jumper. Work will be complete on 8/20.
- c. Our current target is to have the exploratory work done in the next 2 weeks so the routing can be resolved by 8/30.
- d. Actual work on the jumper could begin on 9/3 and will take 2-3 months. No dewatering is anticipated in this area.
- e. Nelson and Bumbicka to discuss the contingency plans for using this jumper when there are overflows, etc. The jumper is only sized to handle standard flows.

## 4. Internal Manhole Work

- a. The first layer of furan and mesh has been placed on manhole 1-AA. After a 3-day cure, the final coat will be applied on 8/19.

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- b. On manhole 1-BB, dust from concrete grinding in an adjacent manhole, coated the primer. A portion of the first asphaltic membrane layer was applied over this concrete dust coating. To remedy this unacceptable situation, Fleischer Seeger has removed this membrane.

Alberici will remove by sandblasting on 8/16 the portions of this membrane that could not be scraped off. The primer will then be reapplied and after that the asphaltic membrane.

- c. At the time Alberici sandblasts the membrane off, they will also sandblast the 42" pipe protruding into the manhole wall.
- d. In the future, Fleischer Seeger will apply the primer the day before they install the asphaltic membrane.
- e. The step by step procedure for applying the asphaltic membrane will be as follows:

- 1) Apply the 1st asphalt layer all the way around the manhole on the top 6' - approx. 1/8" thick. The material will be applied from the bottom to the top.
- 2) Perform step 1 for the middle 6' of the manhole.
- 3) Perform step 1 for the bottom 6' of the manhole.
- 4) Apply the mesh from the top down. Fleischer Seeger to try to use long vertical strips. This would minimize horizontal laps. The mesh will be overlapped at the ends.

If there is any difficulty in rolling the mesh into the asphalt, Fleischer Seeger will advise.

- 5) Repeat steps 1, 2 and 3 for the 2nd asphaltic membrane layer.
- 6) On the floor of the manhole the materials should be applied without stopping from the walls as follows:

1st asphalt layer - out 6" from wall  
membrane - out 4" from wall  
2nd asphalt layer - out 2" from wall

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- f. There are high spots which need to be ground on manhole 1-CC. Prior to grinding the 42" openings should be covered so that the grinding dust does not get to another manhole.

5. Dept. 245

- a. Lotz to layout the culvert pipe under track #4 at 245. The pipe will probably be 30' long. This should insure that it does not end under the pipe bridge east of the track, which could complicate the installation work. The work will be done 10/4 to 10/17.
- b. Current dates for work at dept. 245.
  - 1) 2-CC - 2-DD      Install 9/85 to 2/86  
                            Start driving pile early September  
                            Start excavating 9/15
  - 2) 2-DD - 3-AA      Install 9/85 to 2/86  
                            Start driving pile 9/86  
                            Start excavating 10/15
  - 3) 3-AA - 3-BB      Install 9/85 to 4/86  
                            Start driving pile 9/85  
                            Start excavating 11/15 to 12/1
- c. Alberici needs 50' of space off trench centerline to do work. Nelson and Bumbicka to review with Jody.
- d. Carrico and Martini to be sure fire water line in this area has been abandoned. They will also check the location of the city water line.
- e. The 12" pipe to be installed under lateral L-85 will be assembled and encased ahead of time. The section will be about 32' long.

Lichtenheld to furnish Alberici with lifting information for this section, plus any rebar change, if required.

This section will be installed between 10/15/85 and 1/86. A 6-day outage is required.

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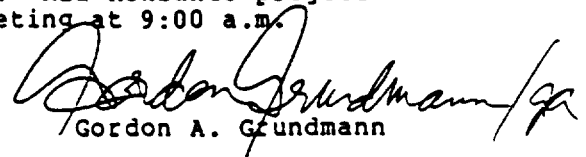
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f. Alberici to furnish cost of additional piling which could be used to keep job moving if there is difficulty in testing the 42" joints in previous sections.

6. Miscellaneous

- a. Lichtenheld to have drawing C8 updated with revised location of manhole 2-FF.
- b. Manhole 2-CC will be flumed across like manhole 2-AA.
- c. The fire main, from the front end of the job to manhole 1-EE will be installed at one time when this can be done. It will not be piecemeal.
- d. A procedure for 1-GG will be issued by Alberici and Shipley for bringing manhole 1-GG into service.
- e. Nelson and Bumbicka are researching and will advise what to do if and when phosphorous is uncovered in subsequent excavations. Andy Quick is involved.

The next progress meeting will be held on Thursday, August 22 at 9:30 a.m. at the construction trailers. All Monsanto project personnel are to meet prior to this meeting at 9:00 a.m.

  
Gordon A. Grundmann

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